BRUHAT BENGALURU MAHANAGARA PALIKE, YELAHANKA DIVISION

Bruhat Bengaluru Mahanagara Palike

Name of Work:- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

QUALITY CONTROL REPORTS

"FIRST & FINAL BILL"

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.						
Quality Control Abstract						
Job code: 001-21-000016						
Bill Number: First & Final Bill						
Name of contractor: Sri Dhamodhara Raju						
Sl No.	Description of Materials	Test	No of Units Tested	No of samples conducted	Test result	Remarks
1	Cement	IS: 12269-1987	Per Batch	Per Batch	Satisfactory	-
2	Fine Aggregates	IS: 383-1970	Per Batch	Per Batch	Satisfactory	-
3	Course Aggregates	As per IS 383-1970 and IS 2386(Part I to IV)1963 Reaffirmed on 2002 , As per Morth	Per Batch	Per Batch	Satisfactory	-
4	Wet Mix Mecadam	As per Morth	Per Batch	Per Batch	Satisfactory	-
5	Kerb Stone	Compressive Strength (IS 15658-2006)	Per Batch	Per Batch	Satisfactory	-
6	Cobble Stones	IS-516-1959 Reaffirmed , Sp 24-1983	Per Batch	Per Batch	Satisfactory	-
7	M20 Concrete Cubes	Compressive Strength	12	12	Satisfactory	-

CONSTRUCTION AND CONSULTANCY

AE

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yelk. Zn)
Yelahanka, Bangalore

MOBILE:9945744759

SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL- D/PMC/LBS PARK /SCU

Date: 03/02/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.

Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.

Name of Agency/ contractor: Sri Dhamodhara Raju.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M20**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strength N/mm2	Average Strength N/mm2
1	Street light pole Concrete and Gazibo Platform	06-01-2022	03-02-2022	8.41	28	587.00	26.09	25.24
2		"	"	8.63	"	563.00	25.02	
3		"	"	8.45	"	524.00	23.29	
4		"	"	8.64	"	569.00	25.29	
5		"	"	0.23	"	588.00	26.13	
6		"	"	8.61	"	576.00	25.60	

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MOBILE:9945744759

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#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /Cement

Date: 22/12/2021

1. Test report on cement Concrete Cubes:

Sub: Testing of 53 Grade Cement Sample Pertaining to IS: 12269-1987

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.

Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.

Name of Agency/ contractor: Sri Dhamodhara Raju.

AE-1

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PHYSICAL TESTS ON CEMENT

Grade Of Cement: 53, OPC

Table 1.1

SL No	Name of Tests	Result	As Per IS Requirements (IS 8112-1989)
1.	Initial Setting Time	161 Min	Shall Not be less than 30 Min
2.	Final Setting Time	272 Min	Shall Not be More than 600 Min
3.	Fineness (by dry sieve on IS 90 micron Seieve)	1.90 %	Not to Exceed 10.0 %
4.	Soundness Test by Lee-Chatelier's Method	2.15 mm	Shall not be more than 10 mm
5.	Compressive strength (3 days on average of 3 results	28.50 N/Sqmm	Shall not be less than 27 N /Sq mm

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#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /Cement

Date: 17/01/2022

1. Test report on cement Concrete Cubes:

Sub: Testing of 53 Grade Cement Sample Pertaining to IS: 12269-1987

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.

Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.

Name of Agency/ contractor: Sri Dhamodhara Raju.

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PHYSICAL TESTS ON CEMENT

Grade Of Cement: 53, OPC

Table 1.1

SL No	Name of Tests	Result	As Per IS Requirements (IS 8112-1989)
1.	Initial Setting Time	160 Min	Shall Not be less than 30 Min
2.	Final Setting Time	273 Min	Shall Not be More than 600 Min
3.	Fineness (by dry sieve on IS 90 micron Seieve)	1.90%	Not to Exceed 10.0 %
4.	Soundness Test by Lee-Chatelier's Method	2.20 mm	Shall not be more than 10 mm
5.	Compressive strength (3 days on average of 3 results	29.50 N/Sqmm	Shall not be less than 27 N /Sq mm

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#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /Fine Agg

Date: 22/12/2021

1. Test report on Fine Aggregates:

Sub: Testing of Fine Aggregates Sample Pertaining to IS: 383-1970 (Reaffirmed 2002).

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.

Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.

Name of Agency/ contractor: Sri Dhamodhara Raju.

AE-1

A.E.E

SIEVE ANALYSIS

Table 1.1

IS Sieve Size, mm	% Passing	IS: 383-1970 (Reaffirmed 2002). Percentage Passing			Result/ Remarks
		Zone I	Zone II	Zone III	
4.75mm	95.35	90-100	90-100	90-100	The Sample Conforms Grade II
2.36mm	82.65	60-95	75-100	85-100	
1.18 mm	86.25	30-70	55-90	75-100	
600 micr.	48.90	15.34	35-59	60-79	
300 mic.	23.40	5-20	8-30	12-40	
150 mic.	8.10	0-10	0-10	0-10	

SL No	Name of Tests	Sample	Result	Requirements as per IS: 383-1970 (Reaffirmed 2002).
1.	Bulking Of Sand	01	17.80%	NA
2.	Silt Content	-	.60%	Not more than 8%
3.	Specific Gravity	-	2.65	--

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /Fine Agg

Date: 17/01/2022

1.Test report on Fine Aggregates:

Sub: Testing of Fine Aggregates Sample Pertaining to IS: 383-1970 (Reaffirmed 2002).

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.

Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.

Name of Agency/ contractor: Sri Dhamodhara Raju.

AE-1

SIEVE ANALYSIS

Table 1.1

IS Sieve Size, mm	% Passing	IS: 383-1970 (Reaffirmed 2002). Percentage Passing			Result/ Remarks
		Zone I	Zone II	Zone III	
4.75mm	95.35	90-100	90-100	90-100	The Sample Conforms Grade II
2.36mm	82.65	60-95	75-100	85-100	
1.18 mm	86.25	30-70	55-90	75-100	
600 micr.	48.90	15.34	35-59	60-79	
300 mic.	23.40	5-20	8-30	12-40	
150 mic.	8.10	0-10	0-10	0-10	

SL No	Name of Tests	Sample	Result	Requirements as per IS: 383-1970 (Reaffirmed 2002).
1.	Bulking Of Sand	01	18.00%	NA
2.	Silt Content	-	.63%	Not more than 8%
3.	Specific Gravity	-	2.70	--

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /Cou Agg

Date: 22/12/2021

TEST REPORT ON COURSE AGGREGATES
(GRADATION TEST)

Sub: To conduct tests on Course Aggrigates (Grade-V) mix.

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.15	95-100
26.50	---	-
22.40	79.25	60-80
11.20	53.40	40-60
4.75	36.15	25-40
2.36	24.60	15-30
0.600	19.35	8-22
0.075	3.85	0-5

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#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /Cou Agg

Date: 17/01/2022

TEST REPORT ON COURSE AGGREGATES
(GRADATION TEST)

Sub: To conduct tests on Course Aggrigates (Grade-V) mix.

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**94.35**	95-100
26.50	**---**	-
22.40	**74.15**	60-80
11.20	**52.10**	40-60
4.75	**36.45**	25-40
2.36	**26.70**	15-30
0.600	**18.05**	8-22
0.075	**3.45**	0-5

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#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /Cou Agg

Date: 11/02/2022

TEST REPORT ON COURSE AGGREGATES
(GRADATION TEST)

Sub: To conduct tests on Course Aggrigates (Grade-V) mix.

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	94.35	95-100
26.50	---	-
22.40	74.15	60-80
11.20	52.10	40-60
4.75	36.45	25-40
2.36	26.70	15-30
0.600	18.05	8-22
0.075	3.45	0-5

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#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /WMM Grad **Date: 17-01-2022**

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.15	95-100
26.50	---	-
22.40	79.26	60-80
11.20	53.41	40-60
4.75	36.16	25-40
2.36	24.61	15-30
0.600	19.32	8-22
0.075	3.82	0-5

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#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

Date: 17-01-2022

NO: YEL-D/PMC/LBS Park /WMM Grad

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	94.36	95-100
26.50	---	-
22.40	74.14	60-80
11.20	52.15	40-60
4.75	36.40	25-40
2.36	26.71	15-30
0.600	18.04	8-22
0.075	3.43	0-5

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /WMM Grad **Date: 11-02-2022**

TEST REPORT ON WET MIX MACADAM MIX (GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.40	95-100
26.50	---	-
22.40	71.15	60-80
11.20	53.25	40-60
4.75	32.65	25-40
2.36	24.95	15-30
0.600	18.30	8-22
0.075	4.15	0-5

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)–1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.70%	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.81 %	Not more than 35.0 %
3.	Water absorption, %	0.39%	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)–1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	27.40%	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	28.82 %	Not more than 35.0 %
3.	Water absorption, %	0.40 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

AE-1

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SHRIYA CONSTRUCTION AND CONSULTANCY

MOBILE: 9945744759

SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /KERB

Date: 17/01/2022

KerbStone (Core Cutting Method) Test Report

Sub: Testing of concrete Kerb Stones (Core Cutting Method) – Compressive Strength)

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

CORE SPECIMENS

AE-1

1 Grade Of concrete: M15
Technical Ref:. IS.516-1959 (Reaffirmed), Sp 24-1983.

A.E.E

Table 1.1

Dia of Specimens: 50 mm =D

SL No	Height of core (H)mm	Weight of Core (KG)	Dencity of core (KG/m3)	H/D	Correction factor of H/D	Load KN	Compressive Strength - N/mm2	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equavent Cube Compressive Strength
1.	78	.354	2311.4	1.56	.960	26.3	13.39	14.47	13.39	17.41
2.	80	.368	2342.7	1.60	.960	26.3	13.39	14.47	13.39	17.50
3.	82	.382	2372.5	1.64	.960	25.10	12.78	13.81	13.25	16.67

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL-D/PMC/LBS Park /KERB

Date: 11/02/2022

KerbStone (Core Cutting Method) Test Report

Sub: Testing of concrete Kerb Stones (Core Cutting Method) – Compressive Strength)

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

AE-1

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CORE SPECIMENS

Grade Of concrete: M15
Technical Ref:. IS.516-1959 (Reaffirmed), Sp 24-1983.

Table 1.1

Dia of Specimens: 50 mm =D

SL No	Height of core (H)mm	Weight of Core (KG)	Dencity of core (KG/m3)	H/D	Correction factor of H/D	Load KN	Compressive Strength - N/mm2	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equavent Cube Compressive Strength
1.	81	.375	2331.4	1.63	.960	26.3	13.39	14.47	13.39	17.05
2.	80	.368	2342.7	1.60	.960	26.3	13.39	14.47	13.39	17.21
3.	82	.382	2372.5	1.64	.960	25.10	12.78	13.81	13.25	16.80

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL- D/PMC/LBS PARK /Pavers Date: 19/01/2022

Kerb Stone (Core Cutting Method) Test Report

Sub: Testing of concrete Paver – Compressive Strength Pertaining to IS 15658-2006 (Reaffirmed 2017)

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.
Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.
Name of Agency/ contractor: Sri Dhamodhara Raju.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CORE

AE-1

Technical Ref:. IS 15658-2006(Reaffirmed 2017)

A.E.E

Table 1.1 Samples 3 Nos Each Location: Cycle track

SL No	Shapes Of Pavers	Nominal C/S area (Sqmm)	Thickness (mm)	Compressive Strength	Result	Remarks
1	200*200mm	40000	62	58.0	Satisfactory	
			61	60.5	Satisfactory	
			61	60.7	Satisfactory	
2	200*200mm	40000	60	60.2	Satisfactory	
			60	60.4	Satisfactory	
			61	62.2	Satisfactory	
3	200*200mm	40000	60	71.2	Satisfactory	
			60	70.5	Satisfactory	
			61	69.7	Satisfactory	
4	200*200mm	40000	59	62.0	Satisfactory	
			60	65.0	Satisfactory	
			60	63.2	Satisfactory	

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SHRIYA CONSTRUCTION AND CONSULTANCY

#1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town Bangalore 560064.

NO: YEL- D/PMC/LBS PARK /SCU

Date: 13/01/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Name of Work :- Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layout in Kempegowda Ward No 01.

Ref: Material Testing/PMC/21-22.

Report submitted to: Assistant Executive Engineer, Yelahanka Division, BBMP Bangalore.

Name of Agency/ contractor: Sri Dhamodhara Raju.

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm

Grade Of concrete: **M20**

Table1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	ssive Strength N/mm2	Average Strength N/mm2
1	Street light pole Concrete and Gazibo Platform	06-01-2022	13-01-2022	8.32	7	355.00	15.78	16.13
2		"	"	8.12	"	369.00	16.40	
3		"	"	8.62	"	341.00	15.16	
4		"	"	8.64	"	352.00	15.64	
5		"	"	8.69	"	385.00	17.11	
6		"	"	8.00	"	376.00	16.71	

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